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Notice of Allowability	Application No.	Applicant(s)	
	09/406,803	OKAMOTO, TSUGIO	
	Examiner	Art Unit	
	Inder P. Mehra	2666	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment dated: 3/8/05.
2. ☒ The allowed claim(s) is/are 1-2,17-18,5,25,6-7,19,20,10,24,21-23 (Renumbered as 1-15 respectively).
3. ☒ The drawings filed on 17 January 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

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PATENT EXAMINER

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

1. This office action is in response to amendment dated: 3/8/05.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Paul; A. Harrity, Attorney, Regd. No. 39,574, on 5/9/05. The application has been amended as follows:

- In claim 1, line 4, "first network format" has been changed to "---first network address format---".
- In claim 1, line 4, "second network format" has been changed to "---second network address format---".
- In claim 5 line 4, "first network format" has been changed to "---first network address format---".
- In claim 5, line 5, "second network format" has been changed to "---second network address format---".
- In claim 5, line 9, "an auxiliary header" has been changed to "---the auxiliary header--
-".

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- In claim 6, line 5, “first network format” has been changed to “---first network address format---”.
- In claim 6, line 6, “second network format” has been changed to “---second network address format---”.
- In claim 10 line 5, “first network format” has been changed to “---first network address format---”.
- In claim 10, line 6, “second network format” has been changed to “---second network address format---”.
- In claim 10, line 10, “an auxiliary header” has been changed to “---the auxiliary header---”.
- Claim 21 has been replaced, as follows:

21. (currently amended) A gateway connected between first and second networks with first and second network address formats, respectively, comprising:

a first interface to receive, from the first network, a packet that includes first address data conforming to the first network address format and second address data conforming to the second network address format, the first address data being contained in a packet header of the packet and the second address data being contained in an auxiliary header of the packet;

~~an address converter to store~~ means for swapping the first address data ~~in the auxiliary header~~ and the second address data ~~in the packet header of~~ within the packet; and

a second interface to transmit the packet to the second network based on the second address data.

- In claim 22 line 4, “first network format” has been changed to “---first network address format---”.
- In claim 22, line 6, “second network format” has been changed to “---second network address format---”.
- In claim 22, line 8, “an auxiliary header” has been changed to “---the auxiliary header---”.
- In claim 22, line 10, “an auxiliary header” has been changed to “---the auxiliary header---”.
- In claim 23, line 4, “an auxiliary header” has been changed to “---the auxiliary header---”.
- In claim 24, line 3, “an auxiliary header” has been changed to “---the auxiliary header---”.
- In claim 25, line 3, “an auxiliary header” has been changed to “---the auxiliary header---”.

Allowable Subject Matter

3. Claims 1-2, 5-7, 10, 17-25 are allowed.

REASONS FOR ALLOWANCE

4. The following is an examiner’s statement of reasons for allowance:

The prior art of record does not disclose, teach, or suggest, directly or indirectly, the following limitations in combination with other claim limitations:

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As recited by claims 1 and 6,

“receiving, from a first network, a packet containing first address data conforming to said first network address format and second address data conforming to said second network address format, said first address data being contained in a packet header of the packet and said second address data being contained in an auxiliary header of the packet;

swapping said first address data and said second address data within the packet”;

As recited by claims 5 and 10;

“receiving, from a first network, a plurality of packets, at least one of the packets containing first address data conforming to said first network address format and second address data conforming to said second network address format, said first address data being contained in a packet header of the at least one of the packets and said second address data being contained in an auxiliary header of the at least one of the packets;

making a search through a received packet to determine whether the received packet includes [[an]] the auxiliary header”;

As recited by claim 21,

a first interface to receive, from the first network, a packet that includes first address data conforming to the first network address format and second address data conforming to the second network address format, the first address data being contained in a packet header of the packet and the second address data being contained in an auxiliary header of the packet;

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~~an address converter to store~~ means for swapping the first address data ~~in the auxiliary header~~ and the second address data ~~in the packet header of~~ within the packet; and

a second interface to transmit the packet to the second network based on the second address data.

As recited by claim 22,

“ a first interface to receive, from the first network, a plurality of packets, at least one of the packets including first address data conforming to the first network address format in a packet header of the at least one of the packets and second address data conforming to the second network address format in an auxiliary header of the at least one of the packets;

an address converter to:

determine whether a received packet includes ~~[[an]]~~ the auxiliary header”,

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Inder P. Mehra whose telephone number is 571-272-3170. The examiner can normally be reached on Monday through Friday from 8AM to 5PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Seema Rao can be reached on 571-272-3174. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Inder Pal Mehra
Inder P Mehra 5/10/05
Examiner
Art Unit 2666

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PRIMARY EXAMINER